



Magic™ Anti-HEL monoclonal antibody, clone 5G23 (CABT-B1069)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specific to Hexanoyl-Lys adducts
Immunogen	N epsilon hexanoyl-Keyhole limpet hemocyanin (HEL-KLH) Magic mouse adjuvant is used in the first step of the immunization procedure.
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	N/A
Clone	5G23
Conjugate	Unconjugated
Applications	IHC, ELISA
Format	Lyophilized power
Concentration	100 µg/mL
Size	20 µg
Buffer	10mM PBS (pH7.4), 5% sucrose, 1% BSA and 0.05% Procline 950
Preservative	None
Storage	Less than -20°C

BACKGROUND

Introduction

Oxidative damage of lipids caused by reactive oxygen species (ROS) play an important role in some diseases, lesion of cell functions and aging. Aldehydes such as malondialdehyde (MDA) and 4-hydroxy-2-nonenal (4-HNE) have been reported as one of the advanced lipid peroxidation products. But recently in the earlier stage of lipid peroxidation, 13-hydroperoxyoctadecanoic acid (13-HPODE) is found to be covalently bound to proteins¹). Hexanoyl-Lysine adduct (HEL) is a novel lipid hydroperoxide-modified lysine residues. HEL is formed by oxidative modification by oxidized omega-6 fatty acids such as linoleic acid or arachidonic acid. This monoclonal antibody is specific for proteins and peptides containing HEL.

Keywords

HEL;Hexanoyl-Lysine adduct;Hexanoyl-Lys;Hexanoyl-Lysine

GENE INFORMATION

Synonyms

HEL; Hexanoyl-Lysine adduct; Hexanoyl-Lys; Hexanoyl-Lysine
